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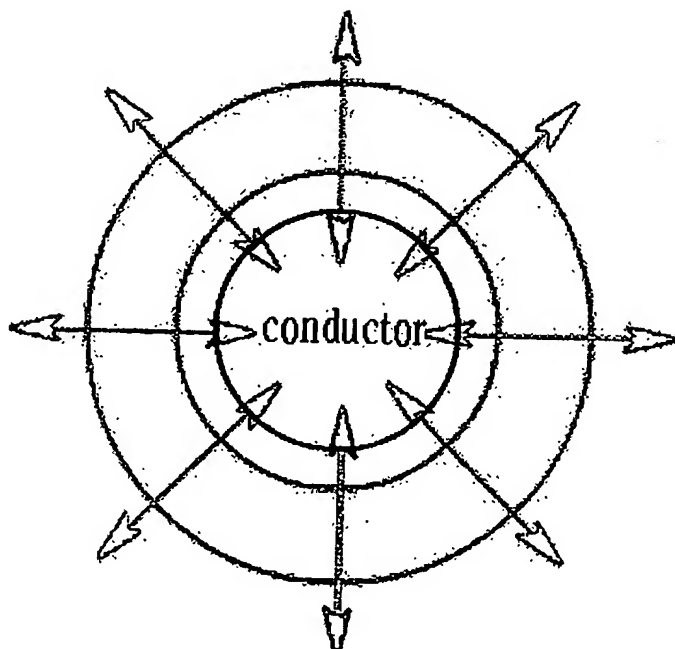
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(54) Title: ENAMELED WIRE HAVING MAGNETIC RELUCTANCE PROPERTIES AND PREPARATION METHOD THEREOF, AND COIL USING THE SAME AND PREPARATION METHOD THEREOF



(57) Abstract: Disclosed herein is a magnetoresistant enameled wire coated with a material which shows improved conductivity by reducing resistance of a conductor since the wire exhibits effects similar to anisotropic magnetoresistance of magnetic materials when manufactured in the form of a coil. The material also shows effects similar to magnetoresistance exhibiting a strong magnetic flux density. Disclosed further are a method for manufacturing the magnetoresistant enameled wire, a magnetoresistant coil using the magnetoresistant wire, and a method for manufacturing the magnetoresistant coil.

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